AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A cryptographic apparatus comprising:

plaintext packet receiver for receiving packet data transmitted and received between terminals;

a fragmentation determination unit for making a determination as to whether there is a need for fragmentation of the packet data by computing the packet length when the packet data is encrypted and by comparing the computed packet length with a predetermined packet length;

a fragmentation unit for dividing the packet data into a plurality of divided data groups if it is determined that there is a need for fragmentation of the packet data as a result of said determination, said fragmentation unit setting the divided data groups in a plurality of divided data packets of a predetermined data structure capable of being transmitted to and reconstructed in a transmission destination terminal, said fragmentation unit adding, to each divided data packet, control information for ensuring continuity between the divided data packets;

an encryption unit for separately encrypting the plurality of divided data packets to form a plurality of encrypted packets; and

an encrypted packet transmitting unit for transmitting the plurality of encrypted packets to a decryption terminal;

wherein the plurality of divided data packets include two or more associated divided data packets and the control information permits the associated divided data packets to be transmitted